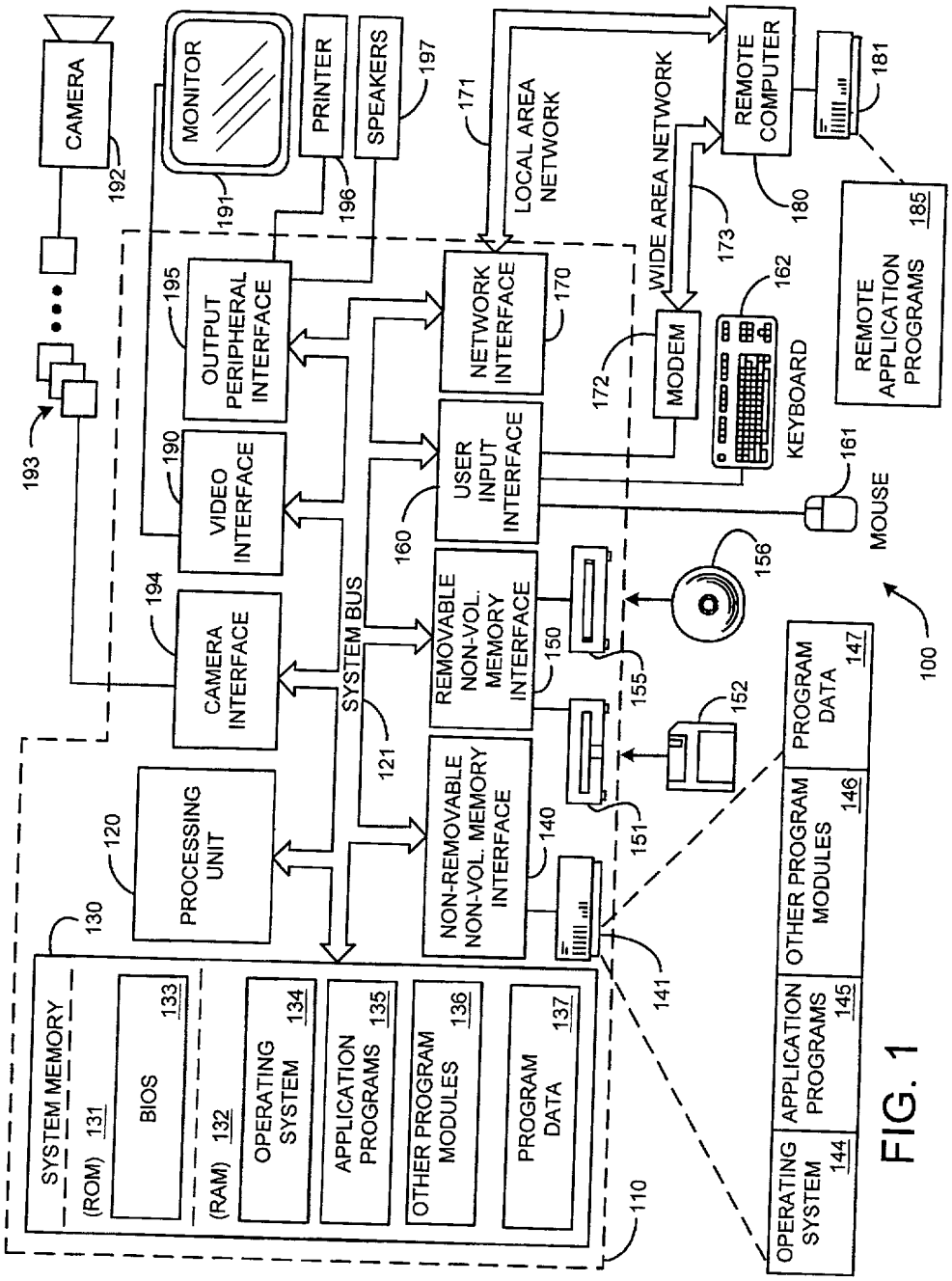
## Figures


CAMERA
192
MONITOR
191
PRINTER
196
SPEAKERS
197
171
LOCAL AREA NETWORK
WIDE AREA NETWORK
REMOTE COMPUTER
180
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REMOTE APPLICATION PROGRAMS
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195
NETWORK INTERFACE
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KEYBOARD
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VIDEO INTERFACE
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CAMERA INTERFACE
160
USER INPUT INTERFACE
SYSTEM BUS
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REMOVABLE NON-VOL. MEMORY INTERFACE
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NON-REMOVABLE NON-VOL. MEMORY INTERFACE
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PROCESSING UNIT
120
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SYSTEM MEMORY
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OPERATING SYSTEM 134
APPLICATION PROGRAMS 135
OTHER PROGRAM MODULES 136
PROGRAM DATA 137
110
OPERATING SYSTEM 144
APPLICATION PROGRAMS 145
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PROGRAM DATA 147

FIG. 1

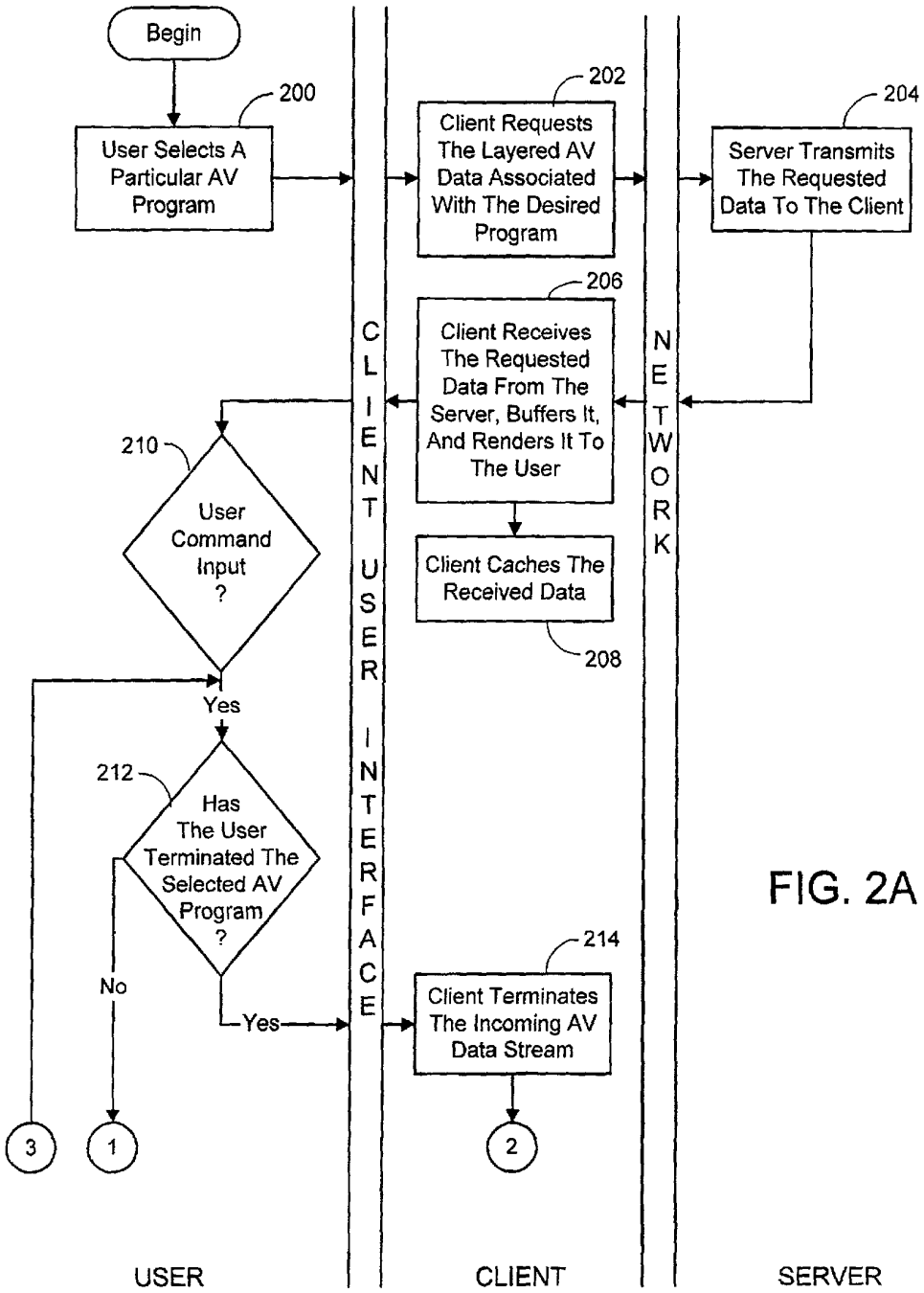
Begin
200
User Selects A Particular AV Program
202
Client Requests The Layered AV Data Associated With The Desired Program
204
Server Transmits The Requested Data To The Client
206
Client Receives The Requested Data From The Server, Buffers It, And Renders It To The User
Client Caches The Received Data
208
210
User Command Input ?
Yes
212
Has The User Terminated The Selected AV Program ?
No
Yes
214
Client Terminates The Incoming AV Data Stream
3
1
2
CLIENT USER INTERFACE
NETWORK
USER
CLIENT
SERVER

FIG. 2A

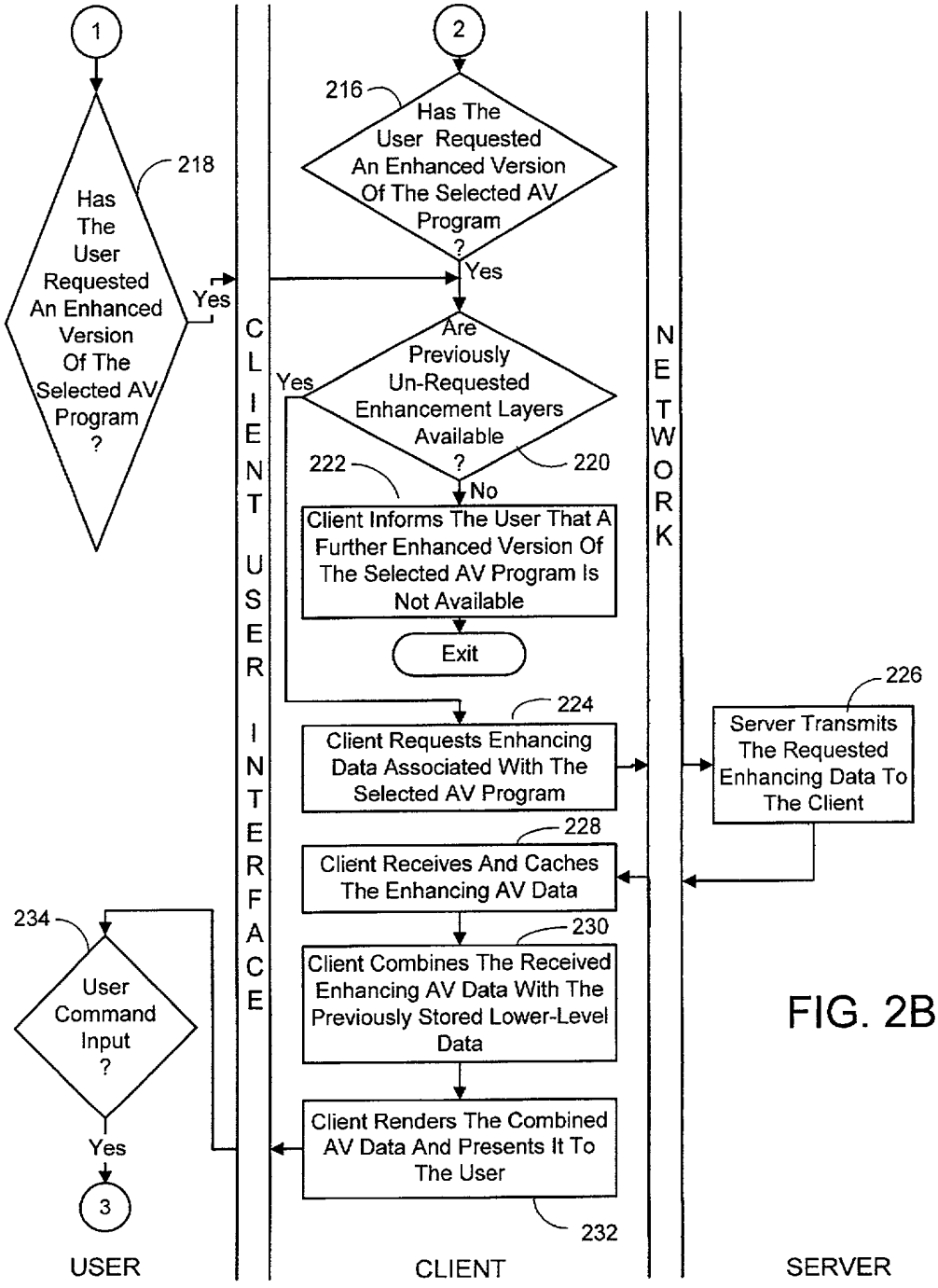
1
2
218
Has The User Requested An Enhanced Version Of The Selected AV Program ?
Yes
216
Has The User Requested An Enhanced Version Of The Selected AV Program ?
Yes
Are Previously Un-Requested Enhancement Layers Available ?
Yes
220
222
No
Client Informs The User That A Further Enhanced Version Of The Selected AV Program Is Not Available
Exit
224
Client Requests Enhancing Data Associated With The Selected AV Program
226
Server Transmits The Requested Enhancing Data To The Client
228
Client Receives And Caches The Enhancing AV Data
230
Client Combines The Received Enhancing AV Data With The Previously Stored Lower-Level Data
Client Renders The Combined AV Data And Presents It To The User
232
234
User Command Input ?
Yes
3
CLIENT USER INTERFACE
NETWORK
USER
CLIENT
SERVER

FIG. 2B

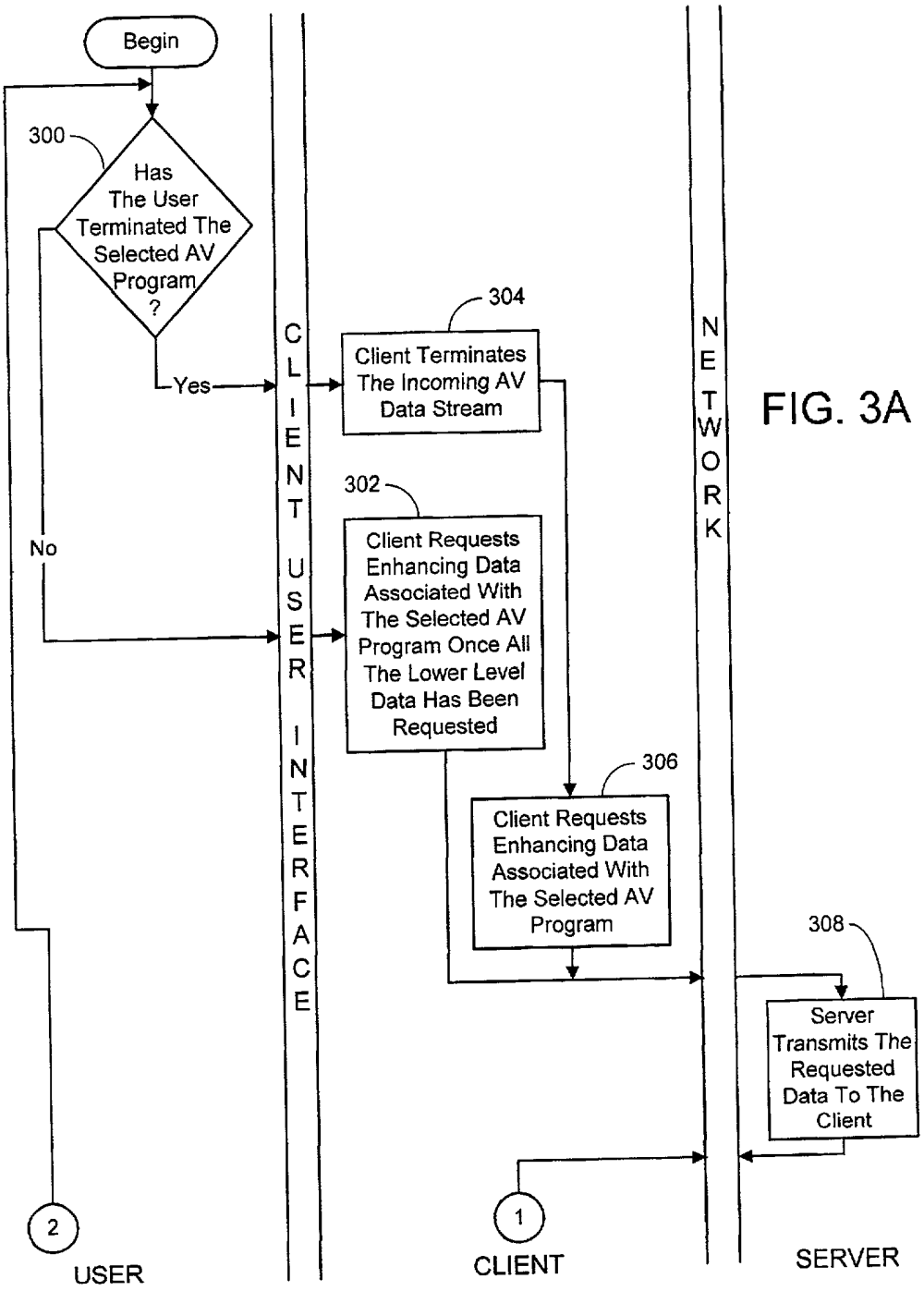
Begin
300
Has The User Terminated The Selected AV Program ?
Yes
No
304
Client Terminates The Incoming AV Data Stream
302
Client Requests Enhancing Data Associated With The Selected AV Program Once All The Lower Level Data Has Been Requested
306
Client Requests Enhancing Data Associated With The Selected AV Program
308
Server Transmits The Requested Data To The Client
CLIENT USER INTERFACE
NETWORK
2
1
USER
CLIENT
SERVER

FIG. 3A

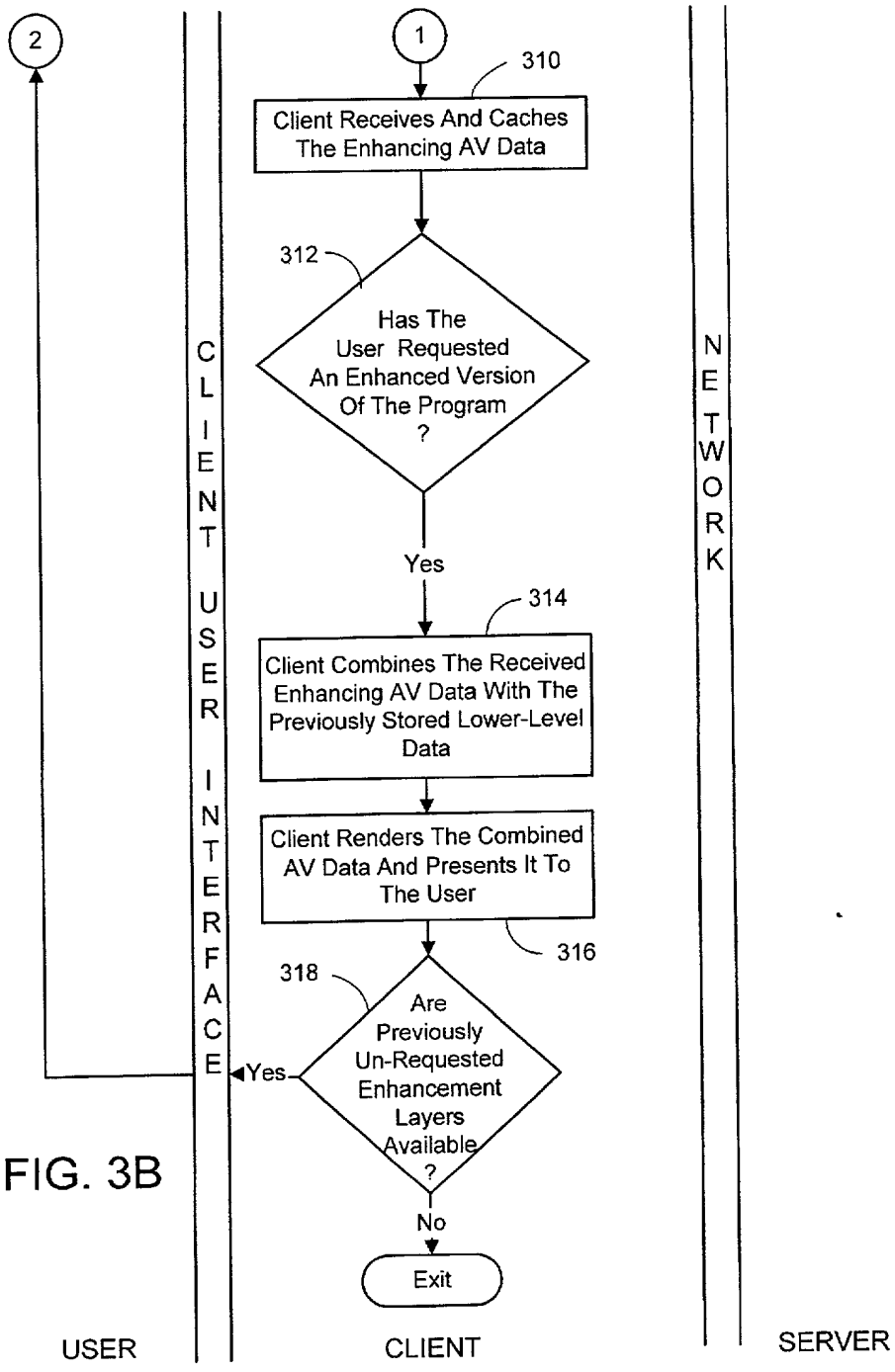
2
1
310
Client Receives And Caches The Enhancing AV Data
312
Has The User Requested An Enhanced Version Of The Program ?
Yes
314
Client Combines The Received Enhancing AV Data With The Previously Stored Lower-Level Data
Client Renders The Combined AV Data And Presents It To The User
316
318
Are Previously Un-Requested Enhancement Layers Available ?
Yes
No
Exit
CLIENT USER INTERFACE
NETWORK
USER
CLIENT
SERVER

FIG. 3B